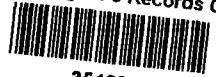




TELEPHONE: 314 / 889-4333

EPA Region 5 Records Ctr.



351292

October 20, 1983

Mr. Michael O'Tool  
Environmental Scientist  
United States E.P.A.  
Remedial Response Group  
230 So. Dearborn Street  
Chicago, Illinois 60604

RE: Cyanide-laced X-ray chips removal

Dear Mr. O'Tool,

Service Plus was employed by Petro Chem Services to provide removal of the cyanide-laced x-ray chips located in Chicago. We are now in a position to propose providing our services directly to the USEPA to complete the x-ray chips removal.

It is our understanding that the chips stored in trailers constitute a hazard and must be removed immediately. Our experience with Petro Chem was that it takes approximately four hours to clean out each trailer of chips and transfer them to a safe trailer receptacle. (This is based on the assumption that both the trailer and the material to be transferred are immediately available.) Based upon that experience, we are prepared to offer the following proposal.

We will furnish:

- Supersucker Material Transfer Machine (MTM)
- MTM Operator
- 2 laborers properly equipped for hazardous waste handling

at a price of \$175.00 per hour

Mr. Michael O'Tool  
page two

This price does not include the trailer to which the waste will be transferred nor the movement of that trailer to another location.

A per diem charge of \$50.00 will cover one operator which is sufficient if single shifts per day are desired. If a double shift is worked, the per diem charge will increase to \$80.00.

Mileage charge is \$300.00 each way or \$1.00 per mile from St. Louis to Chicago and back.

Because of the nature of our equipment, we can perform our services around the clock (if light is sufficient), 7 days a week if that is necessary.

Our services are not limited to trailer transfer. We can also go directly into the warehouse storage and vacuum up material, blowing it into trailers or other types of receptacles and can do so from a distance of 300'.

We are not clear on whether we would need to be approved for a waste handling license in order to do this work and you would need to advise us as to licensing regulations.

Material is enclosed on our equipment as well as an accounting of the work performed by us for Petro Chem Services.

If this proposal is acceptable to the EPA and if time is a factor in this job, we could bring the contract to your office for signature and begin the work immediately.

Please call for any details or further informations.

Thank you and best wishes,



Geri Redden  
Sales and Marketing

WORK PERFORMED FOR PETRO CHEM SERVICES

BY SERVICE PLUS

Two trips of two days each were made to the Chicago area for the purpose of removing cyanide-laced x-ray chips from defective trailers and transferring the material into other trailers.

On the first trip, one load of material was vacuumed and blown into a new trailer after it had been washed. Three more trailers of unwashed material were blown into new trailer receptacles.

On the second trip, four trailers of unwashed material was transferred to new trailer receptacles in spite of the fact that a lot of traveling was required to go from one filled receptacle to another. There was also waiting required for receptacle trailers to be brought to the work sites.





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MATERIAL TRANSFER MACHINE

(MTM)

THE SAME ADVANTAGES OF THE ORIGINAL SUPERSUCKER:

- DUAL (FAIL SAFE) FILTERING SYSTEM
- INDIVIDUAL BAGHOUSE MAINTENANCE
- PERMANENTLY ATTACHED PORT HOSE
- SUCTION LINES EASILY ASSEMBLED WITHOUT TOOLS
- POSITIVE DISPLACEMENT VACUUM PUMP
- VACUUMS AT 3500 CFM
- VACUUMS FROM A DISTANCE OF 300 to 500'
- VACUUMS DUST, GRAINS, LIQUIDS, SLUDGES, SLURRIES AND SOLIDS

AND SOME ADDITIONAL FEATURES ALL ITS OWN:

- CONTINUOUS VACUUMING ACTION
- VACUUMS AND DISCHARGES AT A DISTANCE OF 300 TO 500'
- RAIL FEATURES:
  - rail adaptable
  - self powered on rail
  - has couplers front and rear



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SAVE TIME AND MONEY ON YOUR NEXT CLEAN UP PROJECT

BY USING

THE SUPERSUCKER MTM WITH CONTINUOUS VACUUM ACTION

What is the Supersucker MTM?

The Supersucker Material Transfer Machine (MTM) is an industrial vacuum loader like the regular Supersucker. It has many of the same features:

- a vacuuming capacity of 3500 CFM
- vacuums liquids, sludges, slurries, powders, grains, dust as well as solids
- retains the special features which have made Supersucker the best name in vacuum loading

How does the MTM differ from the regular Supersucker unit?

In several ways. For one, the MTM simultaneously vacuums and disposes of material. This Continuous Vacuum Action means that the vacuuming process can continue uninterrupted until the job is finished. No need to stop for unloading.

Does Continuous Vacuum Action save money?

Yes! Whether cleaning up an accident or just removing a year's supply of sludge, when it comes to industry, time is always money.

If a regular Supersucker takes an hour to: unhook hoses, leave the job site, get to the dump, unload material, return to the job site and get ready to work YOUR HOURLY COSTS CONTINUE EVEN WHILE NO VACUUMING IS BEING DONE! Some of these costs are:

- Supersucker rental charge
- operator
- labor crew
- company personnel

At the average cost of \$141.00 per unloading trip, a day of vacuuming for a bulky material could mean four or more trips to the dump at a minimum cost to you of \$564.00!

Contrast that to the performance of the MTM which continually vacuums and unloads into a waste vehicle. While the waste vehicle goes to the dump the MTM keeps on working until the job is finished.

What are some of the other special features of the Supersucker MTM?

- It can vacuum and dispose of material from a distance of 300 to 500'
- It is rail adaptable and self-powered on rail
- It has couplers front and rear for pushing or pulling a rail car for material disposition

What are some uses for the MTM?

Like the regular Supersucker, the MTM is used primarily for industrial and hazardous waste clean up. But the MTM, because of its versatility, can also be used for all kinds of rail accidents and major clean up jobs.

In March of 1983 the Chessie System saved over \$70,000 by using the MTM on just one job. A coal spill which was estimated at \$108,000 was done by the MTM for only \$37,000.

How many MTM units are there?

Only one. Service Plus had the MTM designed especially for large jobs which require efficient, continuous action vacuuming to save time and money.

In what geographical locations does the MTM work?

Anywhere and everywhere! Because it's the only one of its kind, the MTM is on call anywhere at all. From cleaning up coal in the Carolinas to carbon in Niagara Falls, the MTM just keeps on going. Rail adaptability allows the MTM to vacuum in places where the regular Supersucker can't get in to work.

How long would it take to schedule the MTM for a job?

Depending on the schedule, the MTM could be available on a moment's notice. Service Plus also has regular Supersuckers which can often take over an ordinary maintenance job if an emergency job comes up which the MTM unit could do more efficiently.

How can you find out more about the Supersucker MTM?

Call the number listed on our letterhead or write for more details. We will be happy to send you a rental price list and schedule your next clean up job to be done by the SUPERSUCKER MTM.

HOW DOES CONTINUOUS VACUUM ACTION SAVE YOUR COMPANY MONEY?

AVERAGE TIME TO LOAD 16 CUBIC YARD DUMP BODY: UNLOADING TRIPS PER 8 HOUR

Light or bulky material:	1 hour	4
Medium bulks or very heavy materials:	2-3 hrs.	3
Fine or liquid materials:	6-8 hrs.	1

AVERAGE TIME SPENT UNLOADING MATERIAL: 1 HOUR

unhook hoses	• unload material
• leave job site	• return to job site
• drive to dump site	• reconnect hoses

YOUR AVERAGE HOURLY COSTS WHICH CONTINUE WHILE SUPERSUCKER IS UNLOADING:

Supersucker rental charge	\$65.00
Operator	30.00
Labor crews (2 people @ \$13.00 per hour per person)	26.00
Supervisory or maintenance person from your company	<u>20.00</u>
	\$141.00

YOU PAY AN AVERAGE COST OF \$141.00 EACH TIME THE SUPERSUCKER MAKES A TRIP TO UNLOAD.....WHILE EVERYONE STANDS AROUND WAITING FOR THE SUPERSUCKER TO GET BACK TO WORK!

NON-PRODUCTIVE DAILY COST TO YOU:

<u>MATERIAL TYPE:</u>	<u># OF TRIPS TO UNLOAD:</u>	<u>COST AMOUNT:</u>
Light or bulky	4	\$564.00
Medium bulk or very heavy	3	423.00
Fine or liquid	1	141.00





**Important  
information  
you need to  
know about**

**HEAVY-DUTY  
INDUSTRIAL  
VACUUM  
MAINTENANCE...**

**BEFORE THE  
EMERGENCY**

---

If you have been using  
the old expensive and  
slow broom and shovel,  
bucket and wheelbarrow. . .



# Think VACUUM



It can save you money,  
downtime and  
pollution problems.

## Clean a lime conveyor pit.

Pit measures 7' deep x 8' wide x 60' long. Lime is 6 feet deep.



6 men using shovels,  
buckets and  
wheelbarrows. Labor 30  
hours at \$10.00 per hour  
per man = \$1,800.00

or:

2 men and  
SUPERSUCKER  
Industrial Vacuum  
Loader

Total cost per hour  
= \$125.00  
5 hours = \$625.00



You save \$1,175.00  
and conveyor pit is  
**VACUUM CLEAN!**

65.2%  
Savings



## EXAMPLE: CASE NO. 820

### Clean flue dust from 8,000 sq. ft. steel mill baghouse.

2 men and  
SUPERSUCKER  
Industrial Vacuum  
Loader  
Total cost per hour —  
\$90.00  
40 hrs. = \$3,600.00



To complete an impossible task. The SUPERSUCKER replaced a previous cleaning method of blowing flue dust out of the baghouse with compressed air which caused more pollution problems.

## EXAMPLE: CASE NO. 472

### Remove 60 tons of sand from a ship ballast tank.



Ballast tanks have to be periodically sand blasted to remove rust.



5 men with shovels  
and buckets.  
Labor 60 hours at  
\$11.00 per hour per  
man = \$3,300.00

or:



3 men and  
SUPERSUCKER  
Industrial Vacuum  
Loader  
Total cost per hour =  
\$125.00  
8 total hours  
= \$1,000.00



**You save \$2,300.00  
and the ballast tank  
is VACUUM CLEAN.**

**Clean up a 1200 gal. crude oil spill from an 8' wide x 3/4 mile long creek.**

15 men using buckets and oil sorbent pads. Labor 50 hours at \$11.00 per hour per man = \$8,250.00



500 packs of oil sorbent pads (200 per pack) at \$10.00 per pack = \$5,000.00

**Total cost \$13,250.00**

**or:**

1 6500 gal. tanker truck — 24 hours at \$68.50 per hour = \$1,644.00.  
3 men and SUPERSUCKER Industrial Vacuum Loader  
24 hours at \$125.00 per hour = \$3,000.00.



**Total cost \$4,644.00**

**Total Savings \$8,606.00**



**Clean out a conveyor pit.**



4 men with shovels, buckets, wheelbarrows & brooms. Labor 16 hrs. at \$11.00 per hour per man  
**\$704.00**

**or:**



2 men and SUPERSUCKER Industrial Vacuum Loader  
Total cost per hr. — \$93.00  
2 hrs. — \$186.00



**You save \$518.00 and the area is VACUUM CLEAN.**



## EXAMPLE: CASE NO. 526

### Remove 2' to 4' of carbon dust from a 400' x 50' roof of a furnace building.

Dust must be removed because of danger of roof collapsing and cannot be swept or shoveled off because of air pollution problems. Dust cannot be washed off because of sewer line pollution.



70 ton crane with  
100' boom and 40' JIB.  
60 hours — \$6,000.00



2 men and SUPERSUCKER Industrial Vacuum Loader  
60 hours — \$5,100.00  
Total cost = \$11,100.00 to complete an impossible task  
and save the roof from collapsing.

## EXAMPLE: CASE NO. 2140

### Clean 4000 gal. sump every three months.



4 men at \$11.00  
per hour, 80  
working hrs.  
\$14,080.00

or:



2 men and SUPERSUCKER  
Industrial Vacuum Loader  
\$91.00 per hour — 24 hrs.  
\$8,736.00  
You save \$5,344.00 per year.



**And the sump is  
VACUUM CLEAN.**

## **Remove fly ash from a 750 kw boiler.**

In a power plant downtime is limited because outage time is critical. Boilers have to be periodically cleaned out for routine maintenance. Wash down methods of removing fly ash create more problems. The boiler is never completely clean, remaining wet fly ash solidifies inside.

50 men using shovels, wheelbarrows and brooms at \$11.00 per hour per man, 240 working hours  
\$132,000.00



**or:**

12 men and 4 SUPERUCKER Industrial Vacuum Loaders \$360.00 per hour — 240 hours = \$86,400.00

**You save \$45,600  
and the boiler is  
VACUUM CLEAN.**



Over 60 contractors in the United States and Canada own and operate the

## **SUPERSUCKER Industrial Vacuum Loader.**

We have in our computer data bank the names, addresses and phone numbers of the independent contractors nearest you.



# **800-558-6196**

Please save the attached sticker with our toll free hot line number.

When the emergency arises — call us. We will put you in touch with the nearest SUPERSUCKER contractor within minutes.

Canada — call collect — 414-784-7108 Ext. 206



## **Super Products**

P. O. Box 27225  
Milwaukee, WI 53227

*Worldwide Vacuum Technology*



**Important  
information  
you need to  
know about**

**HEAVY-DUTY  
INDUSTRIAL  
VACUUM  
MAINTENANCE...**

**BEFORE THE  
EMERGENCY**



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